

Attachment BB

to

Stephen West Complaint

Steven Henley Autopsy Report



TENNESSEE DEPARTMENT OF HEALTH  
OFFICE OF THE CHIEF MEDICAL EXAMINER

REPORT OF INVESTIGATION BY COUNTY MEDICAL EXAMINER

Davidson County Medical Examiner: Bruce Levy M.D.

State Medical Examiner: Bruce Levy M.D.

Judicial District Number: 20

District Attorney: Honorable Victor S. Johnson III

State Number: 09-19-0295

Case Number: MEC09-0201

1. Name of Decedent Steve Morris Hanley		2. Age 55 Years	3. Race White	4. Sex Male
5. Address Riverbend Maximum Security Institution, 7475 Cockrill Bend Boulevard, Nashville, TN 37243				
6. Date of Death 02/04/2009 1:33 AM	7. Type of Death In Jail/Prison/In Police Custody		8. Investigating Agency/Complaint #:	
9. Place of Death 7475 Cockrill Bend Boulevard, Nashville, TN				
10. Narrative Summary The decedent is a 55 yr. old w/m that was reportedly a prisoner at the Riverbend Maximum Security Institution. The decedent was given a lethal injection according to the sentencing ordered by the State of Tennessee. Death was pronounced at 01:33 hrs. on 02/04/2009 by Dr. Thomas. Photographs were taken of the decedent inside the execution chamber for documentation purposes. The decedent was transported to the Center for Forensic Medicine for examination by the Medical Examiner. Sherrie L. Saint, Investigator				
11. Jurisdiction Accepted Yes	12. Autopsy Ordered Yes		13. Toxicology Ordered Yes	
14. Physician Responsible for Death Certificate Bruce P Levy, M.D.				
15. Cremation Approved Yes	16. Funeral Home Upper Cumberland Funeral Home			
17. Cause of Death Acute thiopental, pancuronium and potassium toxicity				
18. Contributory Cause of Death				
19. Manner of Death Homicide				

CERTIFIED COPY

I hereby certify that this is a true and correct copy  
of the medical examiner's report on file at the  
Office of the State Medical Examiner, Nashville TN.

By V. Amburn Date 3/10/10

**TENNESSEE DEPARTMENT OF HEALTH AND ENVIRONMENT  
OFFICE OF THE STATE MEDICAL EXAMINER  
Center for Forensic Medicine  
850 R.S. Gass Blvd.  
Nashville, Tennessee 37216-2640**

**CASE: MEC09-0201  
County: DAVIDSON**

**AUTOPSY REPORT**

**NAME OF DECEDENT:** HENLEY, STEVE MORRIS      **RACE:** W      **SEX:** M      **AGE:** 55  
**HOME ADDRESS:** 7475 Cockrill Bend Blvd., Nashville TN  
**DATE AND TIME OF DEATH:** February 4, 2009 at 1:33 a.m.  
**DATE AND TIME OF AUTOPSY:** February 4, 2009 at 9:10 a.m.  
**FORENSIC PATHOLOGIST:** Bruce P. Levy, M.D.  
**COUNTY MEDICAL EXAMINER:** Bruce P. Levy, M.D.  
**DISTRICT ATTORNEY GENERAL:** Honorable Victor S. Johnson, III

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**PATHOLOGIC DIAGNOSES**

1. Lethal injection, clinical history:
  - a. Toxicology positive for thiopental and pancuronium.
    - 1) Blood thiopental level toxic (8310 ng/mL).
    - 2) Blood pancuronium level lethal (1600 ng/mL).
    - 3) Thiopental (1810 ng/mL) and pancuronium (22 ng/mL).
    - 4) Vitreous potassium not elevated (6 mmol/L).
  - b. Pulmonary vascular congestion and edema (1270 grams combined lung weight).
2. Hypertensive cardiovascular disease:
  - a. Cardiac hypertrophy (570 grams).
  - b. Arteriolar nephrosclerosis.
  - c. Aortic atherosclerosis, slight.
  - d. Blood verapamil level therapeutic (70 ng/mL).
3. Urine toxicology positive for carboxy-THC (39 ng/mL):
  - a. Blood toxicology negative for cannabinoids.

(Continued)

4. Cholelithiasis.
5. Benign prostatic hypertrophy.

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<b>CAUSE OF DEATH:</b>	Acute thiopental, pancuronium and potassium toxicity
<b>MANNER OF DEATH:</b>	Homicide
<b>CIRCUMSTANCES OF DEATH:</b>	Judicial execution – Lethal injection

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*I hereby certify that I, Bruce P. Levy, M.D. have performed an autopsy on the body of Steve Morris Henley on the fourth day of February 2009 at 9:10 am in the State of Tennessee Center for Forensic Medicine. The purpose of this report is to provide a certified opinion to the County Medical Examiner and District Attorney General. The facts and findings to support these conclusions are filed with the Tennessee Department of Health. The autopsy was performed in the presence of Dr. McMaster.*

### EXTERNAL EXAMINATION

The body is that of a well-developed, slightly obese white male, measuring 71 inches and weighing 239-1/2 pounds, whose appearance is consistent with the reported age of 55 years. The head hair is light brown in color, measuring approximately 5 inches long. There is a mustache on the clean-shaven face. The irides are hazel/green in color and the pupils are round. The sclerae are anicteric and the conjunctivae are slightly injected without petechiae. The ears, nose and mouth are unremarkable. A slight quantity of translucent liquid is present in the mouth. Natural teeth are in fair repair with some missing teeth with healed gums.

The anterior torso is symmetric with a protuberant soft abdomen. The posterior torso is unremarkable. The upper and lower extremities are symmetric and unremarkable. External genitalia are those of a circumcised male with descended testes.

Rigor mortis is absent. Livor mortis is purple in color, posterior in distribution, and blanching. The body is warm to touch. There is drying artifact of the scrotum.

**THERAPEUTIC PROCEDURES:** None.

**SCARS:** There is a minimum of three linear scars on the dorsum of the left hand that measure between 1/4 inch and 3/4 inch long each. There is a 1/2 x 1/4 inch scar on the anterior aspect of the right forearm.

**TATTOOS:** None.

**INJURIES:**

**LETHAL INJECTION:** Intravenous catheters are inserted into superficial blood vessels of both antecubital fossae. They are attached with intravenous tubing to normal saline intravenous bags. There is an additional dermal puncture of the left antecubital fossa with a surrounding 1/8-inch area of subcutaneous hemorrhage.

The following items are received with the body:

There are a total of 22 syringes. There are four syringes with red colored labels stating, "sodium thiopental," that are all empty. There are two syringes with red colored labels stating, "pancuronium bromide," that are all empty. There are two syringes with red colored labels stating, "potassium chloride," that are all empty. There are three syringes with red colored labels stating, "saline," that are all empty. There are an identical set of 11 syringes with blue colored labels that contain the same indicated items, except each syringe contains 50 mL of a translucent fluid.

There are a total of 67 glass medication bottles. There are 19 bottles labeled "pentothal 500 mg,"

of which 18 are empty and 1 still contains a translucent liquid. There are 10 empty bottles labeled "potassium chloride 40 mEq." There are 20 empty bottles labeled "pancuronium bromide 10 mL." There are 18 empty bottles labeled "sterile water 20 mL."

An additional normal saline intravenous bag is received with the body.

*The above injuries, having been described, will not be repeated.*

### INTERNAL EXAMINATION

**HEAD:** The scalp is unremarkable without abrasions, contusions or lacerations. The skull is intact without fracture. The meningeal coverings of the brain are intact without epidural, subdural or subarachnoid hemorrhages.

The 1530-gram brain is symmetric with an unremarkable gyral pattern. There are no visible injuries on the surface or cut section of the brain. The distribution of cranial nerves at the base of the brain is normal. The cerebral vessels are unremarkable and normally distributed. Coronal sections through the cerebral hemispheres reveal a normal distribution of gray and white matter without focal lesions. The ventricles are of normal configuration and size. Horizontal sections through the cerebellum and brain stem reveal a normal distribution of gray and white matter without focal lesions.

**NECK:** There are no hemorrhages into the musculature or soft tissues of the neck. The hyoid, larynx, and trachea are intact without obstructions. The tongue is unremarkable without injury. The cervical vertebrae are palpably intact.

**BODY CAVITIES:** All organs are in their normal anatomic locations. The pleural, pericardial, and peritoneal cavities have smooth and glistening surfaces. Typical quantities of translucent fluid are present within the body cavities.

**CARDIOVASCULAR SYSTEM:** The great vessels are normally distributed without thromboemboli. There are slight atherosclerotic deposits of the aorta. The coronary artery ostia are normally placed and free of significant atherosclerotic obstruction.

The 570-gram heart has a smooth, glistening, intact epicardial surface. The right dominant coronary arteries are normally distributed and free of significant atherosclerosis. The myocardium is homogeneous red-brown in color without focal lesions. The left and right ventricles are 1.5 and 0.3 cm. in thickness at the lateral walls, respectively, and symmetric. The endocardial surfaces and four cardiac valves are unremarkable. The papillary muscles and chordae tendineae are normal. The mitral and tricuspid valves measure 11.4 and 12.2 cm. in circumference, respectively.

**RESPIRATORY SYSTEM:** The right and left lungs weigh 730 and 540 grams, respectively. The lungs are normally lobated. The pleural surfaces are glistening and intact. The pulmonary arteries are free of thromboemboli. The bronchi are unremarkable. The parenchyma is pink/tan in color and well aerated with slight quantities of expressed frothy fluid from both lungs. There are no focal lesions or consolidations. There is vascular congestion in dependent segments.

**DIGESTIVE SYSTEM AND LIVER:** The esophagus is unremarkable with a sharp gastroesophageal junction. The unremarkable stomach contains approximately 250 mL of well-



chewed and partially digested food. The duodenum, small intestines, appendix, and large intestines are unremarkable.

The 2410-gram liver has a smooth, intact capsule. The parenchyma is slightly pale brown/tan in color and soft without focal lesions. The unremarkable gallbladder contains approximately 2 ml. of bile and three yellow colored multifaceted gallstones that measure a maximum of 1.0 cm in diameter. The extrahepatic bile ducts are patent and unremarkable. The pancreas is unremarkable.

**RETICULOENDOTHELIAL SYSTEM:** The 360 gram spleen is congested without focal lesions. There is a normal distribution of unremarkable lymph nodes. The thymus gland is involuted.

**GENITOURINARY SYSTEM:** The right and left kidneys weigh 220 and 230 grams, respectively. The subcapsular surfaces are smooth. The cortices are of normal thickness with sharp corticomedullary junctions. The calices, pelves, and ureters are patent and unremarkable. The unremarkable urinary bladder contains approximately 50 ml. of urine.

The testes and seminal vesicles are unremarkable. The prostate gland is slightly enlarged with faint diffuse nodularity.

**ENDOCRINE SYSTEM:** The pituitary, thyroid, parathyroid and adrenal glands are unremarkable.

**MUSCULOSKELETAL SYSTEM:** The musculoskeletal system is intact and unremarkable. There are slightly increased quantities of subcutaneous and intra-cavity adipose tissue.

**TOXICOLOGY:** The following specimens are submitted for possible toxicologic analysis: Blood, bile, urine and vitreous humor. A separate report will be issued.

**HISTOLOGY:** The following specimens are submitted for histologic examination: Hard, bronchus, lungs, liver, kidney and brain. A separate report will be issued.

### SUMMARY OF CASE

This 55-year-old male was executed by lethal injection on February 4, 2009. He was pronounced deceased at 0133 hours. An autopsy was ordered.

Autopsy revealed a slightly obese male with an enlarged heart, pulmonary edema and generalized vascular congestion. There is a history of hypertension and he is reportedly prescribed verapamil. Specimens were obtained for toxicology and histology studies.

Histologic examination of the organs confirmed left ventricular hypertrophy (an enlarged heart). There were no other significant pathologic findings.

Toxicology was positive for multiple substances. Testing of femoral blood was positive for toxic levels of both thiopental (8310 ng/mL) and pancuronium (1600 ng/mL). Both of these substances were also detected in urine (thiopental 1810 ng/mL and pancuronium 22 ng/mL). The vitreous potassium level (6 mmol/L) was not elevated, indicating that injected potassium had not diffused into the orbits. Verapamil was detected in the blood at therapeutic levels (70 ng/mL) and urine (250

ng/mL). A metabolite of marijuana (carboxy-THC 39 ng/mL) was unexpectedly detected in the urine. Repeat testing confirmed the presence of the substance in the urine, which also contained the same substances that were known to be in his body at the time of death. Testing of the blood was negative for any cannabinoids. Testing of the bile was attempted, but no results could be obtained due to sample matrix problems.

In my opinion, this person died as a result of a combined toxicity from the three agents used in the lethal injection procedure (thiopental, pancuronium and potassium). The manner of death is homicide.

***\*\*Electronically signed by Bruce P. Levy, M.D. on Wednesday, February 17, 2010\*\****

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Bruce P. Levy, M.D.  
Chief Medical Examiner



**OFFICE OF THE MEDICAL EXAMINER  
FORENSIC MEDICAL**

**REPORT OF MICROSCOPIC EXAMINATION**

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**Name of Deceased:** HENLEY, STEVE MORRIS

**MEC09-0201**

**Date of Report:** March 11, 2009

**HEART:** Sections of both ventricles are examined. There are increased quantities of epicardial fat. The myocardium of the left ventricle is hypertrophied with abundant eosinophilic cytoplasm and enlarged nuclei. There is an increase in interstitial fibrosis, primarily surrounding penetrating arterials. There are no significant ischemic or inflammatory changes. The myocardium of the right ventricle is unremarkable. The endocardial surfaces are unremarkable.

**LEFT MAIN BRONCHUS:** The mucosal surface consists of respiratory epithelium with focal autolysis. The submucosa and submucosal glands are unremarkable without significant inflammation. The muscle and cartilage are unremarkable.

**LUNGS:** Sections of both lungs are examined. The overall architecture of the lungs is unremarkable. There is slight to moderate hyperexpansion of distal pulmonary segments. The pleural surfaces are unremarkable. There is vascular congestion of the otherwise unremarkable pulmonary vessels. Bronchi are unremarkable. Alveolar walls are thin, and alveoli are free of significant inflammation. Alveoli contain variable quantities of an amorphous faintly eosinophilic material.

**LIVER:** The liver capsule is unremarkable. Hepatocytes contain a foamy cytoplasm with rare (less than 1%) clear cytoplasmic vacuoles. There are no significant cellular inclusions or cellular necrosis. Portal areas contain slightly increased numbers of mononuclear inflammatory cells, but are not enlarged and do not have increased fibrosis. There is vascular congestion of the otherwise unremarkable hepatic sinusoids.

**KIDNEY:** The overall architecture of the kidney is unremarkable. There are rare sclerotic glomeruli. Remaining glomeruli appear unremarkable without significant increased cellularity. Tubules are unremarkable. There is vascular congestion.

**BRAIN:** Sections of the cerebral cortex, hippocampus, cerebellum and brainstem are examined. The arachnoid membranes are unremarkable without significant hemorrhage or inflammation. There is normal layering of the cerebral cortex without ischemic, inflammatory or neoplastic changes. The overall architecture of the hippocampus is unremarkable, and there is no significant ischemic change. The overall architecture of the cerebellum is unremarkable. Purkinje and granular cell layers are present without significant ischemic change. A section through the midbrain reveals a normal distribution of white matter tracks and deep nuclei without significant ischemic, inflammatory or neoplastic changes. The substantia nigra is appropriately pigmented. The ventricular system is lined by simple epithelium and appears unremarkable.

***\*\*Electronically signed by Bruce P. Levy, M.D. on Wednesday, February 17, 2010\*\****

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# AEGIS

SCIENCES CORPORATION

515 Great Circle Road Nashville, TN 37228

Ph: (615) 255-2400 Fax: (615) 255-3030 Web: www.aegislabs.com

Client: 225 - Forensic Medical  
Report To: Dr. Bruce Levy  
Forensic Medical  
850 RS Gass Blvd  
Nashville, TN 37216

Case ID: 09-0201  
Laboratory ID: 4391261  
Collected: 02/04/09 00:00  
Received: 02/05/09 13:46  
Completed: 03/14/09 09:12  
Reported: 03/14/09 09:36

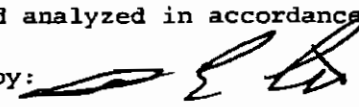
Reason: Post-mortem  
Specimen Type: Femoral Blood

Henley, Steve

Test(s) Ordered: 40599 - Profile-ME Comprehensive  
70524 - Confirmation Barbiturates  
70531 - Confirmation Benzodiazepines  
71071 - Confirm Blood Cannabinoids  
02195 - Verapamil  
42090 - Thiopental (Pentothal)

<u>Drug Class</u>	<u>Result</u>	<u>Quantitation</u>	<u>Reporting Threshold</u>
Thiopental (Pentothal)	POSITIVE		
Thiopental	POSITIVE	8310 ng/mL	1 ng/mL
Alcohol - Volatiles	NEGATIVE		10 mg/dL
Acetaminophen	NONE DETECTED		10 mcg/mL
Amphetamines	NONE DETECTED		50 ng/mL
Stimulants	NONE DETECTED		50 ng/mL
Verapamil	POSITIVE		
Verapamil	POSITIVE	70 ng/mL	50 ng/mL
Barbiturates	NONE DETECTED		200 ng/mL
Meprobamate	NONE DETECTED		1250 ng/mL
Methadone	NONE DETECTED		
Benzodiazepines	NONE DETECTED		25 ng/mL
Cannabinoids (Marijuana)	NONE DETECTED		1 ng/mL
Cocaine Metabolite	NONE DETECTED		10 ng/mL
Opiates	NONE DETECTED		
Meperidine	NONE DETECTED		100 ng/mL
Fentanyl Analogues	NONE DETECTED		
Propoxyphene	NONE DETECTED		100 ng/mL
Fentanyl Group	NONE DETECTED		

I certify that the specimen identified by this accession number has been handled and analyzed in accordance with all applicable requirements.

Certified by:   
Date:

TRAVIS E. CURTIS, M.S.

MAR 14 2009

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Forensic Medical  
850 RS Gass Blvd  
Nashville, TN 37216

Case ID: 09-0201  
Laboratory ID: 4391261  
Collected: 02/04/09 00:00  
Received: 02/05/09 13:46  
Completed: 02/08/10 09:09  
Reported: 02/08/10 09:32

Reason: Post-mortem  
Specimen Type: Femoral Blood

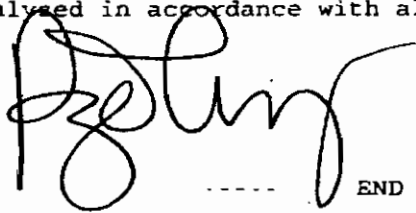
Test(s) Ordered: 40599 - Profile-ME Comprehensive  
70524 - Confirmation Barbiturates  
70531 - Confirmation Benzodiazepines  
71071 - Confirm Blood Cannabinoids  
02195 - Verapamil  
42090 - Thiopental (Pentothal)

<u>Drug Class</u>	<u>Result</u>	<u>Quantitation</u>	<u>Reporting Threshold</u>
Fentanyl Group	NONE DETECTED		1 ng/mL
Pentazocine	NONE DETECTED		100 ng/mL
Phenothiazines	NONE DETECTED		1 ng/mL
Salicylate	NONE DETECTED		50 mg/L
Tricyclic Antidepressants	NONE DETECTED		50 ng/mL
Atypical Antidepressants	NONE DETECTED		10 ng/mL
Antipsychotics	NONE DETECTED		2 ng/mL
Miscellaneous	NONE DETECTED		0.25 ng/mL

Pancuronium: Analysis by LC/TOFMS - POSITIVE - 1600 ng/mL  
Amended Report

I certify that the specimen identified by this accession number has been handled and analyzed in accordance with all applicable requirements.

Certified by:  
Date:



PAIGE LONG

FEB 10 2010

----- END OF REPORT -----

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Client: 225 - Forensic Medical  
Report To: Dr. Bruce Levy  
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850 RS Gass Blvd  
Nashville, TN 37216

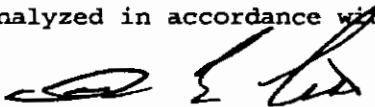
Case ID: 09-0201  
Laboratory ID: 4391261  
Collected: 02/04/09 00:00  
Received: 02/05/09 13:46  
Completed: 03/14/09 09:12  
Reported: 03/14/09 09:36

Reason: Post-mortem  
Specimen Type: Femoral Blood

Test(s) Ordered: 40599 - Profile-ME Comprehensive  
70524 - Confirmation Barbiturates  
70531 - Confirmation Benzodiazepines  
71071 - Confirm Blood Cannabinoids  
02195 - Verapamil  
42090 - Thiopental (Pentothal)

<u>Drug Class</u>	<u>Result</u>	<u>Quantitation</u>	<u>Reporting Threshold</u>
Pentazocine	NONE DETECTED		100 ng/mL
Phenothiazines	NONE DETECTED		1 ng/mL
Salicylate	NONE DETECTED		50 mg/L
Tricyclic Antidepressants	NONE DETECTED		50 ng/mL
Atypical Antidepressants	NONE DETECTED		10 ng/mL
Antipsychotics	NONE DETECTED		2 ng/mL
Miscellaneous	NONE DETECTED		0.25 ng/mL

I certify that the specimen identified by this accession number has been handled and analyzed in accordance with all applicable requirements.

Certified by:   
Date:

TRAVIS E. CURTIS, M.S.

MAR 14 2009

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END OF REPORT  
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Client: 225 - Forensic Medical  
Report To: Dr. Bruce Levy  
Forensic Medical  
850 RS Gass Blvd  
Nashville, TN 37216

Case ID: 09-0201  
Laboratory ID: 4391262  
Collected: 02/04/09 00:00  
Received: 02/05/09 13:48  
Completed: 02/05/09 13:48  
Reported: 03/14/09 09:36

Reason: Post-mortem  
Specimen Type: Heart Blood

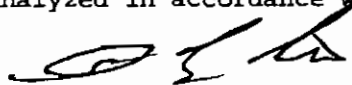
Test(s) Ordered: 49999 - Sample Received

<u>Drug Class</u>	<u>Result</u>	<u>Quantitation</u>	<u>Reporting Threshold</u>
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Testing not requested or indicated.

Testing not requested or indicated.

I certify that the specimen identified by this accession number has been handled and analyzed in accordance with all applicable requirements.

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Date:

TRAVIS E. CURTIS, M.S.

----- END OF REPORT -----

MAR 14 2009

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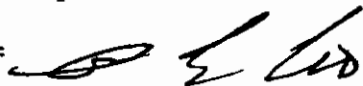
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Laboratory ID: 4391263  
Collected: 02/04/09 00:00  
Received: 02/05/09 13:48  
Completed: 03/14/09 09:05  
Reported: 03/14/09 09:36

Reason: Post-mortem  
Specimen Type: Urine

Test(s) Ordered: 40569 - Profile-ME Comprehensive Urine  
70540 - Confirmation Cannabinoids  
02195 - Verapamil  
42090 - Thiopental (Pentothal)

<u>Drug Class</u>	<u>Result</u>	<u>Quantitation</u>	<u>Reporting Threshold</u>
Thiopental (Pentothal)	POSITIVE		
Thiopental	POSITIVE	1810 ng/mL	1 ng/mL
Alcohol - Volatiles	NEGATIVE		10 mg/dL
Acetaminophen	NONE DETECTED		1 mcg/mL
Amphetamines	NONE DETECTED		100 ng/mL
Barbiturates	NONE DETECTED		200 ng/mL
Verapamil	POSITIVE		
Verapamil	POSITIVE	250 ng/mL	50 ng/mL
Benzodiazepines	NONE DETECTED		100 ng/mL
Cannabinoids (Marijuana)	POSITIVE		
Carboxy-THC	POSITIVE	39 ng/mL	5 ng/mL
Cocaine Metabolite	NONE DETECTED		50 ng/mL
Opiates	NONE DETECTED		
Phencyclidine (PCP)	NONE DETECTED		10 ng/mL
Phenothiazines	NONE DETECTED		5 ng/mL
Stimulants	NONE DETECTED		50 ng/mL
Tricyclic Antidepressants	NONE DETECTED		50 ng/mL
Synthetic Narcotics	NONE DETECTED		100 ng/mL
Atypical Antidepressants	NONE DETECTED		10 ng/mL
Antipsychotics	NONE DETECTED		2 ng/mL
Miscellaneous	NONE DETECTED		0.25 ng/mL

I certify that the specimen identified by this accession number has been handled and analyzed in accordance with all applicable requirements.

Certified by:   
Date:

TRAVIS E. CURTIS, M.S.

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Report To: Dr. Bruce Levy  
Forensic Medical  
850 RS Gass Blvd  
Nashville, TN 37216

Case ID: 09-0201  
Laboratory ID: 4391263  
Collected: 02/04/09 00:00  
Received: 02/05/09 13:48  
Completed: 08/12/09 13:33  
Reported: 08/13/09 13:00

Reason: Post-mortem  
Specimen Type: Urine

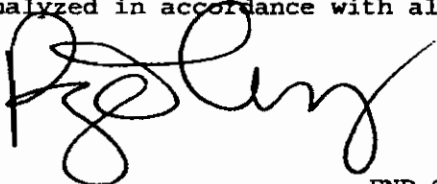
Test(s) Ordered: 40569 - Profile-ME Comprehensive Urine  
70540 - Confirmation Cannabinoids  
02195 - Verapamil  
42090 - Thiopental (Pentothal)

<u>Drug Class</u>	<u>Result</u>	<u>Quantitation</u>	<u>Reporting Threshold</u>
Salicylate	NONE DETECTED		1 mg/L
Sedatives/Hypnotics	NONE DETECTED		1250 ng/mL
Methadone	NONE DETECTED		

Carboxy-THC results verified by repeat analysis.

I certify that the specimen identified by this accession number has been handled and analyzed in accordance with all applicable requirements.

Certified by:  
Date:



PAIGE LONG

----- END OF REPORT -----

AUG 20 2009

Page 2 of 2

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Case ID: 09-0201  
Laboratory ID: 4391263  
Collected: 02/04/09 00:00  
Received: 02/05/09 13:48  
Completed: 12/15/09 10:56  
Reported: 12/15/09 11:03

Reason: Post-mortem  
Specimen Type: Urine

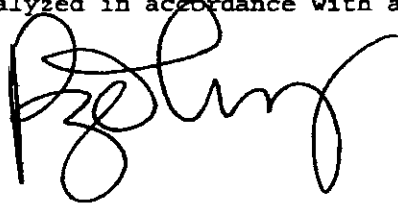
Henley, Steve

Test(s) Ordered: 40569 - Profile-ME Comprehensive Urine  
70540 - Confirmation Cannabinoids  
02195 - Verapamil  
42090 - Thiopental (Pentothal)

<u>Drug Class</u>	<u>Result</u>	<u>Quantitation</u>	<u>Reporting Threshold</u>
Thiopental (Pentothal)	POSITIVE		
Pentobarbital	NONE DETECTED		100 ng/mL
Thiopental	POSITIVE	1810 ng/mL	1 ng/mL
Alcohol - Volatiles	NEGATIVE		10 mg/dL
Acetaminophen	NONE DETECTED		1 mcg/mL
Amphetamines	NONE DETECTED		100 ng/mL
Barbiturates	NONE DETECTED		200 ng/mL
Verapamil	POSITIVE		
Verapamil	POSITIVE	250 ng/mL	50 ng/mL
Benzodiazepines	NONE DETECTED		100 ng/mL
Cannabinoids (Marijuana)	POSITIVE		
Carboxy-THC	POSITIVE	39 ng/mL	5 ng/mL
Cocaine Metabolite	NONE DETECTED		50 ng/mL
Opiates	NONE DETECTED		50 ng/mL
Phencyclidine (PCP)	NONE DETECTED		10 ng/mL
Phenothiazines	NONE DETECTED		5 ng/mL
Stimulants	NONE DETECTED		50 ng/mL
Tricyclic Antidepressants	NONE DETECTED		50 ng/mL
Synthetic Narcotics	NONE DETECTED		100 ng/mL
Atypical Antidepressants	NONE DETECTED		10 ng/mL
Antipsychotics	NONE DETECTED		2 ng/mL

I certify that the specimen identified by this accession number has been handled and analyzed in accordance with all applicable requirements.

Certified by:  
Date:



PAIGE LONG

DEC 16 2009

# AEGIS

SCIENCES CORPORATION

515 Great Circle Road Nashville, TN 37228

Ph: (615) 255-2400 Fax: (615) 255-3030 Web: [www.aegislabs.com](http://www.aegislabs.com)

Client: 225 - Forensic Medical  
Report To: Dr. Bruce Levy  
Forensic Medical  
850 RS Gass Blvd  
Nashville, TN 37216

Case ID: 09-0201  
Laboratory ID: 4391263  
Collected: 02/04/09 00:00  
Received: 02/05/09 13:48  
Completed: 12/15/09 10:56  
Reported: 12/15/09 11:03

Reason: Post-mortem  
Specimen Type: Urine

Test(s) Ordered: 40569 - Profile-ME Comprehensive Urine  
70540 - Confirmation Cannabinoids  
02195 - Verapamil  
42090 - Thiopental (Pentothal)

<u>Drug Class</u>	<u>Result</u>	<u>Quantitation</u>	<u>Reporting Threshold</u>
Miscellaneous	NONE DETECTED		0.25 ng/mL
Salicylate	NONE DETECTED		1 mg/L
Sedatives/Hypnotics	NONE DETECTED		1250 ng/mL
Methadone	NONE DETECTED		50 ng/mL

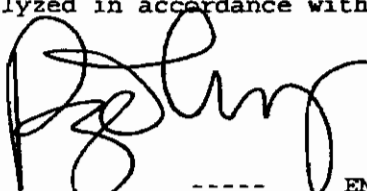
Carboxy-THC results verified by repeat analysis.

Amended Report

Pancuronium: Analysis by LC/TOF - POSITIVE - 22 ng/mL

I certify that the specimen identified by this accession number has been handled and analyzed in accordance with all applicable requirements.

Certified by:  
Date:



PAIGE LONG

----- END OF REPORT -----

DEC 16 2009

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SCIENCES CORPORATION

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Ph: (615) 255-2400 Fax: (615) 255-3030 Web: www.aegislabs.com

Client: 225 - Forensic Medical  
Report To: Dr. Bruce Levy  
Forensic Medical  
850 RS Gass Blvd  
Nashville, TN 37216

Case ID: 09-0201  
Laboratory ID: 4391264  
Collected: 02/04/09 00:00  
Received: 02/05/09 13:48  
Completed: 12/15/09 10:59  
Reported: 12/15/09 11:03

Reason: Post-mortem  
Specimen Type: Bile

Test(s) Ordered: 41071 - Blood Cannabinoids

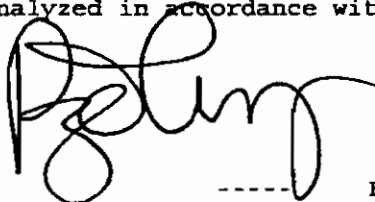
<u>Drug Class</u>	<u>Result</u>	<u>Quantitation</u>	<u>Reporting Threshold</u>
Cannabinoids (Marijuana)	CANCELED		
Carboxy-THC	CANCELED		5 ng/mL
THC	CANCELED		1 ng/mL

Unable to obtain acceptable results for THC confirmation due to sample matrix problems.

Amended Report

I certify that the specimen identified by this accession number has been handled and analyzed in accordance with all applicable requirements.

Certified by:  
Date:



PAIGE LONG

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END OF REPORT  
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DEC 16 2009

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SCIENCES CORPORATION

515 Great Circle Road Nashville, TN 37228

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Client: 225 - Forensic Medical  
Report To: Dr. Bruce Levy  
Forensic Medical  
850 RS Gass Blvd  
Nashville, TN 37216

Case ID: 09-0201  
Laboratory ID: 4391264  
Collected: 02/04/09 00:00  
Received: 02/05/09 13:48  
Completed: 02/05/09 13:49  
Reported: 03/14/09 09:36

Reason: Post-mortem  
Specimen Type: Bile

Test(s) Ordered: 49999 - Sample Received

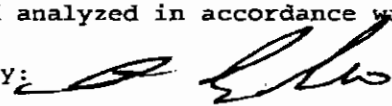
<u>Drug Class</u>	<u>Result</u>	<u>Quantitation</u>	<u>Reporting Threshold</u>
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Testing not requested or indicated.

Testing not requested or indicated.

I certify that the specimen identified by this accession number has been handled and analyzed in accordance with all applicable requirements.

TRAVIS E. CURTIS, M.S.

Certified by: 

Date:

----- END OF REPORT -----

MAR 14 2009

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# AEGIS

SCIENCES CORPORATION

515 Great Circle Road Nashville, TN 37228

Ph: (615) 255-2400 Fax: (615) 255-3030 Web: www.aegislabs.com

Client: 225 - Forensic Medical  
Report To: Dr. Bruce Levy  
Forensic Medical  
850 RS Gass Blvd  
Nashville, TN 37216

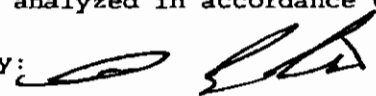
Case ID: 09-0201  
Laboratory ID: 4391265  
Collected: 02/04/09 00:00  
Received: 02/05/09 13:48  
Completed: 02/13/09 14:22  
Reported: 03/14/09 09:36

Reason: Post-mortem  
Specimen Type: Vitreous

Test(s) Ordered: 42197 - Vitreous Electrolyte Profile

<u>Drug Class</u>	<u>Result</u>	<u>Quantitation</u>	<u>Reporting Threshold</u>
Vitreous Electrolyte Profile	POSITIVE		
Glucose	POSITIVE	23 mg/dL	20 mg/dL
Blood Urea Nitrogen (BUN)	POSITIVE	7 mg/dL	1 mg/dL
Sodium (Na)	POSITIVE	146 mmol/L	1 mmol/L
Potassium (K)	POSITIVE	6 mmol/L	1 mmol/L
Chloride (Cl)	POSITIVE	120 mmol/L	1 mmol/L
Carbon Dioxide (CO2)	POSITIVE	13 mmol/L	1 mmol/L
Creatinine	POSITIVE	1.1 mg/dL	0.1 mg/dL

I certify that the specimen identified by this accession number has been handled and analyzed in accordance with all applicable requirements.

Certified by:   
Date:

TRAVIS E. CURTIS, M.S.

MAR 14 2009

----- END OF REPORT -----

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